

## Product datasheet for **RN204519**

### **PPP3CB (NM\_017042) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPP3CB (NM_017042) Rat Untagged Clone
Tag:	Tag Free
Symbol:	PPP3CB
Synonyms:	Calna2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204519 representing NM\_017042  
Red=Cloning site Blue=ORF Orange=Stop codon

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TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCCCGGAGCCGGCCCGGGCCGCGCCGCCCCCTCCCGGCCCGCCGCCCCCTCGGGGCCG
ACCGCGTCGTCAAAGCCGTTCTTTTCCCAACTCACCGGTTGACATCTGAAGAAGTGTGATGGA
TGGGATACCCAGGTTGATGTTCTGAAGAACCATCTGGTAAAAGAAGGTCGGGTAGATGAAGAAATTGCA
CTAAGAATTATCAATGAGGGTGCTGCCATACTTAGCGGGAGAAAACCATGATAGAAGTAGAAGCTCCA
TTACAGTGTGGTGACATCCATGGCCAATTTTTGATCTGATGAACTTTTTGAAGTAGGAGGATCACC
TGCTAATACAGTACCTTTTTCTTGGTGATTATGTGGACAGAGGTTATTTAGTATAGAGTGTGCTTG
TATTTATGGGCTTGAAGATTCTATACCAAGCACATTATTCCTTCTGAGAGGCAACCATGAATGCAGAC
ACCTCACTGAGTATTTACCTTTAAGCAGGAATGTAAATTAAGTATTCAGAAAGGTCATGAAGCTTG
TATGGAGGCTTTTGACAGCTTGGCCCTTGTGCACTTCTAAACCAACAATTTCTTTGTGTTTCATGGTGA
CTTTCACCAGAGATACACACTGGATGATATTAGGAGATTAGATAGATTTAAAGAGCCACCTGCATTTG
GACCAATGTGTGACTTGCTGTGGTCTGATCCTTCTGAAGACTTTGGAAATGAAAAATCACAGAACATTT
TAGTCATAATACGGTTCGAGGATGTTCTTATTTTTATAACTATCCAGCAGTGTGTGAATTTTGCAAAAC
AATAATTTGTTATCGATTATTAGAGCTCATGAAGCTCAAGATGCAGGCTATAGAATGTACAGAAAAAGTC
AAACTACAGGGTTTCTTCATTAATAACAATTTTTCGGCACCTAATTACTTAGATGTCTACAATAATAA
AGCTGTGTAATAAGTATGAGAACAATGTGATGAACATCCGCCAGTTAACTGTTCTCCACATCCTTAC
TGGTTGCCAATTTTATGGATGTCTTACATGGTCTTACCATTTGTTGGAGAAAAAGTCACAGAGATGT
TGTTAAATGTTCTCAGTATTTGCTCTGATGATGAACTAATGACAGAAGGGGAAGACCAGTTTGATGTAGG
TTCAGCTGCAGCCCGAAAGAAATCATAAGAAACAAGATCCGAGCAATTGGCAAGATGGCAAGAGTCTTC
TCTGTTCTCAGGGAGGAGAGTGAAGCGTGTGCACTCAAGGGCCTGACTCCCACAGGGATGTTGCCTA
GTGGAGTGTGGCTGGAGGACGGCAGACCTTGCAAAGTCCACAGTTGAGGCTATTGAGGCTGAAAAAGC
AATACGAGGATCCTCTCCACCACATAGAATCTGCAGTTTTGAAGAGGCAAGGGTTTGGATAGGATCAAT
GAGAGAATGCCACCCCGAAAGATGCTGTGCAGCAAGATGGTTTCAATCCCTGAACACCGCACATACCA
CTGAGAACCACGGGACTGGCAACCATAGTCCAGTGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_017042
- Insert Size:** 1578 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_017042.2](#), [NP\\_058738.1](#)

**RefSeq Size:** 2265 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 24675

**UniProt ID:** [P20651](#)

**Cytogenetics:** 15p16

**Gene Summary:** Calcium-dependent, calmodulin-stimulated protein phosphatase which plays an essential role in the transduction of intracellular Ca(2+)-mediated signals. Dephosphorylates and activates transcription factor NFATC1. Dephosphorylates and inactivates transcription factor ELK1. Dephosphorylates DARPP32.[UniProtKB/Swiss-Prot Function]